



| Pin | Function | COLOR |
|-----|----------|--------------|
| 1 | NC | |
| 2 | U | YELLOW |
| 3 | V | RED |
| 4 | W | BLACK |
| 5 | NC | |
| 6 | PE | YELLOW/GREEN |

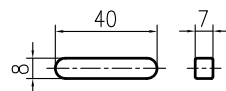


6 PIN

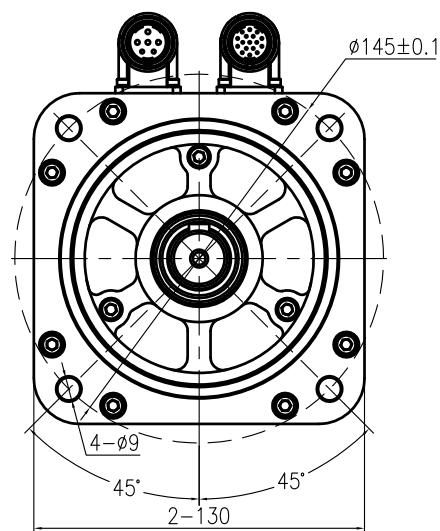
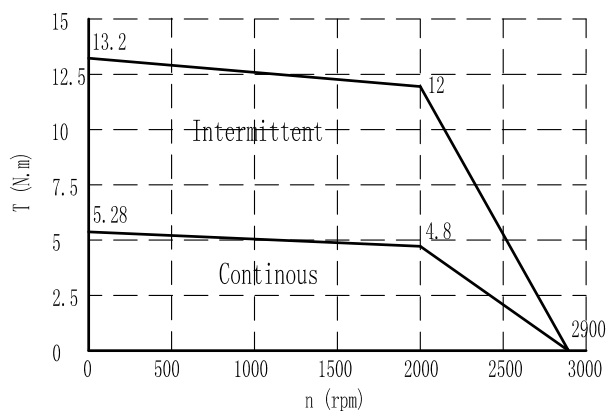
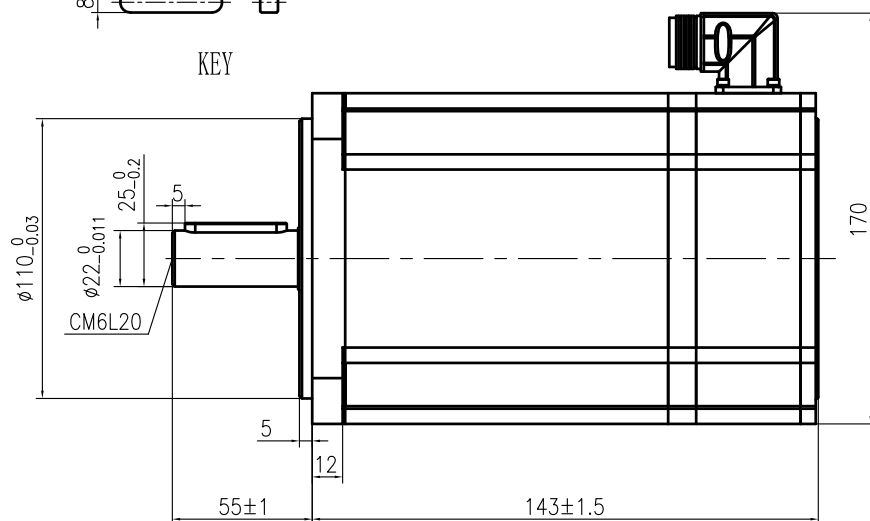
| Pin | Function | COLOR | Pin | Function | COLOR |
|-----|----------|--------|-----|-----------|--------|
| 1 | VCC+ | WHITE | 10 | NC | |
| 2 | GND | BLACK | 11 | NC | |
| 3 | VB | ORANGE | 12 | NC | |
| 4 | GND | BROWN | 13 | SHIELDING | |
| 5 | NC | | 14 | NC | |
| 6 | NC | | 15 | NC | |
| 7 | NC | | 16 | SD | BLUE |
| 8 | NC | | 17 | /SD | PURPLE |
| 9 | NC | | | | |





YL221ZJ
17 PIN



KEY



| | | | | | | | | | |
|--|---------|------------------------|---|--------|-----------|-----------|-------------------------|-----------------|----|
| VL.1 | KA19065 | LS | ZZB | 19.4.2 | DESIGN | DATE | P.N. | 9.6569SS | |
| REV | ECN NO. | DRN | APP'D | DATE | VJL | 2018.5.31 | TITLE | Outside Diagram | |
| UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: ANGULAR: .x ±0.5 .xx ±0.25 ±0°30' .xxx ±0.1 UNIT: mm DO NOT SCALE DRAWING | | MATERIAL | CONTR. | CHECK | 2018.5.31 | USED ON | SMS130D-0100-20KAK-4LKP | | |
| | | | | ZZB | | DWG NO. | REV | | |
| | | | | APPD | | | | | |
| | | SL | 2018.5.31 | | | | | | |
| | | FIRST ANGLE PROJECTION |   | SCALE | Kinco | | | | |
| | | | | SHEET | | | | | OF |

Technical Data

| | | |
|-------------------------------|--------------------------------------|---|
| No. of poles | | 8 |
| DC Link Voltage UDC (DC Link) | | 300 |
| Rated Power | P _N (W) | 1000 |
| Rated Torque | T _N (N.m) | 4.8 |
| Rated Speed | Π _N (rpm) | 2000 |
| Rated Current | I _N (A) | 4.4 |
| Maximum torque | T _m (N.m) | 12 |
| Maximum Current | I _m (A) | 13.2 |
| Standstill torque | T _s (N.m) | 5.28 |
| Standstill current | I _s (A) | 4.84 |
| Resistance line-line | R _l (Ω) | 3.1 |
| Inductance line-line | L _l (mH) | 24.07 |
| Electrical time constant | τ _e (ms) | 7.76 |
| Mechanical time constant | τ _m (ms) | 2.72 |
| Voltage constant | K _e (V/krpm) | 73 |
| Torque constant | K _t (Nm/A) | 1.21 |
| Rotor moment of inertia | J _m (Kg.cm ²) | 7.4 |
| Max. voltage rising | du/dt (KV/μs) | 8 |
| Insulation class | | F |
| Max. radial force Fr(N) | | 900 |
| Max. axial force Fa(N) | | 450 |
| Weight(Kg) | | 6.2 |
| Feed back device | | absolute encoder |
| | | MAR-HX50AHN10 |
| Temperature sensor | | n. a. |
| Cooling method | | Totally enclosed non-ventilated |
| protection level | | IP65, shaft sealing IP54 |
| Environmental conditions | Temperature | -20℃~40℃ |
| | Humidity | Below 90%RH (No dewing) |
| | Environment | Far away active gas, combustible gas, oil drop, as |
| | Installation altitude | UP TO 1000m: rated power, above 1000m: 1.5% power decreasing per 100m, max. 4000m |
| Rating conditions | Mounting | Aluminum flange 457x457x12.7mm |
| | Temperature | 60K housing temperature ring at 40℃ ambient |

V1.1